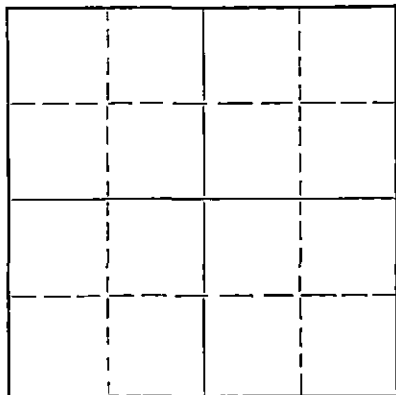


WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
800 Bitting Building
Wichita, Kansas

NORTH



Locate well correctly on above
Section Plat

Stafford County. Sec. 4 Twp. 21 Rge. 11 (E) (W)
Location as "NE/CNW/SW" or footage from lines. SE NE NE
Lease Owner. John Jay Darrah & Co.
Lease Name. LANGER Well No. 3
Office Address. 303 South Main - Wichita, Kansas
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed. October 4, 1954
Application for plugging filed. October 4, 1954
Application for plugging approved. October 4, 1954
Plugging commenced. October 4, 1954
Plugging completed. October 4, 1954
Reason for abandonment of well or producing formation Dry Hole

If a producing well is abandoned, date of last production 19
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. M. A. Rives
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 3627' Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				8-5/8"	810'	None

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

Mudded up to 300'. Placed 1 1/2 gal. hulls wrapped in sack ahead of wooden plug set at 300'. Displaced 30 sacks of cement through drill pipe onto plug. Mudded up to 35'. Placed 1 1/2 gal. hulls wrapped in sack ahead of 2nd plug to 35'. 10 sacks of cement to top of surface pipe.

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Garvey Drilling Company
Address R.R. #2 - Great Bend, Kansas

STATE OF KANSAS, COUNTY OF SEDGWICK, ss.
Karl E. Becker (employee of owner) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature)

Karl E. Becker

311 East Third, Wichita, Kansas
(Address)

SUBSCRIBED AND SWORN to before me this 6th day of October 19 54

John W. Edwards
Notary Public.

My commission expires 8-11-58

24-7968-S 3-53-20M

RECORDED
STATE CORPORATION COMMISSION

PLUGGING
FILE SEC 4 TWP 21 R 14
BOOK PAGE 69 LINE 29

OCT 17 1954
10-13-1954
CONSERVATION DIVISION
Wichita, Kansas

JAMES A. MORRIS

Petroleum Geologist

3001 TIMBERLANE CIRCLE

WICHITA 16, KANSAS

TELEPHONE 62-2920

GEOLOGIC REPORTDarrah & Garvin
#3 LangerSE NE NE Sec. 4-21S-14W
Stafford County, Kansas

GENERAL:

Contractor: Garvey Drilling Co., Rig #1

Drilling Commenced: September 27, 1954

Drilling Completed: October 4, 1954

Casing: 8-5/8" @ 310' with 400 sacks

Elevation: 1917 Kelly Bushing

1914 Derrick Floor

1911 Ground

Samples Saved: 2900 feet to 3627 feet, T. D.

Drilling Time: 2900 feet to 3627 feet, T. D.

Straight Hole Tests: None over 2 degrees.

FORMATIONAL TOPS, ZONES OF POROSITY, SHOWS OF OIL, AND OTHER PERTINENT DATA:

All measurements are from top of Kelly Bushing. All Geologic Tops were called from samples and drilling time unless otherwise indicated.

Geologic Tops (Samples & Drilling Time)

Anhydrite: 805 (+1112) Driller
 Hesbner sh.: 3193 (-1281)
 Toronto ls.: 3214 (-1297)
 Douglas sh.: 3290 (-1319)
 Brown Lime: 3299 (-1382)
 Lansing ls.: 3310 (-1393)

3312-15, in 2 feet

Limestone, cream, fine crystalline, slightly fossiliferous - broken poor pinpoint porosity, spotted stain, trace dead stain.

3377-82, in 67 feet

Limestone, cream, fine crystalline, sub-oolitic in part, cherty - poor porosity, trace spotted stain.

3397-3303, in 87 feet

Limestone, cream, fine crystalline, oolastic - good porosity, no show of oil.

3432-35, in 122 feet

Limestone, cream, fine crystalline, sub-oolastic - poor porosity, no show of oil.

3466-71, in 156 feet

Limestone, cream-buff, fine crystalline, oolastic - good porosity, no show of oil.

STAFFORD COUNTY, KANSAS
 GEOLOGICAL DIVISION
 WICHITA, KANSAS

Geologic Report
 #3 Langer
 Page 2

Conglomerate: 3561 (-1644)
3561-3601

Chert, varicolored, in red clay matrix.

Residual Viola
 chert: 3601 (-1688)
3601-27

Chert, white, porcelaneous, some semi-tripolitic.

Total Depth: 3627 (-1710)
 Dry and Abandoned (October 4, 1954)

REMARKS

This test was plugged and abandoned without drilling to Arbuckle rocks, because of its extremely low structural position. It was 16 feet lower on the Lansing than the #2 Langer, one location north, and 22 feet lower than the #1 Langer, two locations south. There was thickening of the Marmaton group in this hole and it was already very low when the Conglomerate was encountered. After drilling 66 feet of Conglomerate and Residual Viola Chert, which are not present in the producers, it appeared hopeless to drill deeper.

James A. Morris
 James A. Morris
 Geologist

TIME LOGDarrah & Garvin
#3 LangerSE NE NE Sec. 4-213-14W
Stafford County, Kansas

All measurements are from top of Rotary Bushing, 1917

<u>DEPTH</u>	<u>ACTUAL TIME</u>	<u>REMARKS</u>
From To		
2900-2910	3-3-3-2-3-3-2-4-2-4	
2920	2-3-2-3-3-3-2-2-2-3	
2930	2-2-2-1-2-2-1-1-1-2	
2940	3-2-4-2-1-2-2-4-3-2	
2950	2-2-1-1-2-2-2-3-4-1	
2960	3-3-3-1-2-1-2-2-3-3	
2970	2-1-1-1-2-2-2-1-1-1	
2980	2-2-2-2-2-2-2-4-3-2	
2990	1-1-1-1-3-1-2-4-4-4	
3000	3-4-3-4-3-4-4-2-3-3	
3000-3010	4-4-4-4-3-3-3-5-7-7	
3020	4-3-3-3-2-3-3-3-3-5	
3030	7-9-12-3-2-3-5-10-7-3	
3040	5-2-3-2-3-2-2-2-8-10	
3050	8-8-8-8-9-6-7-3-4-4	
3060	5-11-8-10-4-6-7-8-6-5	
3070	6-6-5-7-11-6-9-6-6-10	
3080	10-9-7-11-7-7-7-8-8-9	
3090	8-8-8-8-4-4-3-2-3-11	
3100	9-7-8-8-9-8-7-7-6-6	
3100-3110	9-9-6-6-7-9-7-7-7-7	
3120	6-7-7-5-5-5-5-5-5-5	
3130	7-5-5-5-5-5-5-8-8-7	Trip O 3135
3140	8-7-8-9-10-4-3-3-3-9	
3150	4-5-3-9-3-3-4-3-2-3	
3160	3-2-3-4-3-3-6-2-3-4	
3170	3-4-4-4-5-4-4-5-5-5	
3180	5-8-10-4-5-2-4-4-5-5	
3190	6-4-4-3-5-4-4-4-4-5	
3200	5-5-3-9-4-5-8-8-4-2	
3200-3210	2-2-4-2-2-2-3-3-4-4	
3220	3-3-6-5-6-6-5-6-5-5	
3230	5-6-6-6-4-2-2-3-2-3	
3240	2-2-2-2-4-4-2-3-2-2	
3250	2-2-2-2-2-2-1-2-3-2	
3260	2-3-3-2-3-2-4-3-3-4	
3270	2-2-2-2-2-2-2-2-3-2	
3280	3-2-3-2-2-3-3-2-3-2	
3290	3-3-3-3-3-3-2-3-3-3	
3300	3-3-2-3-4-4-3-2-3-8	
3300-3310	8-5-3-5-5-7-3-2-3-5	

Time Log
#3 Langer
Page 2

<u>DEPTH</u>	<u>ACTUAL TIME</u>	<u>REMARKS</u>
<u>From To</u>		
3310-3320	6-8-6-6-8-6-6-3-7	
3330	7-6-8-7-7-9-6-6-8-5	
3340	6-7-8-3-5-5-5-6-9-7	
3350	9-8-8-7-6-7-8-5-5-5	
3360	5-5-5-5-6-6-5-6-7-7	
3370	7-7-7-5-5-5-5-5-5-5	
3380	9-10-4-4-4-4-4-6-6-6	
3390	6-6-8-9-9-11-8-7-11-11	
3400	10-11-7-7-8-12-12-4-2-2	
3400-3410	2-3-4-7-11-8-8-8-10-9	
3420	8-7-6-9-11-12-7-10-8-3	
3430	9-12-11-11-12-9-8-15-7-3	Trip @ 3428
3440	4-6-6-5-6-8-8-10-7-7	
3450	4-3-4-8-9-9-7-10-8-5	
3460	5-7-11-8-7-8-8-8-7-8	
3470	6-3-8-5-3-3-4-1-1-1	
3480	2-5-3-8-7-7-9-6-10-8	
3490	9-8-8-8-9-8-8-8-6-7	
3500	7-7-10-7-8-8-9-9-9-9	
3500-3510	8-9-7-8-8-9-8-8-10-6	
3520	7-7-6-5-5-4-4-5-4-8	
3530	6-8-6-9-9-5-5-6-8-9	
3540	7-6-10-10-8-5-5-5-5-4	
3550	4-5-5-6-8-8-5-5-5-5	
3560	7-7-5-8-5-7-7-5-6-5	
3570	6-5-4-4-4-4-3-3-3-3	Circ. 1-1/4 hr. @ 3566
3580	3-3-3-3-3-3-4-5-4-4	
3590	5-4-4-4-7-7-6-4-6-4	
3600	3-3-4-4-4-5-3-4-4-4	
3600-3610	4-6-5-5-5-5-4-5-7	
3620	6-7-6-6-6-6-5-6-5-6	
3630	3-6-5-7-5-8-11	3627 Total Depth

WELL LOG

15.185.12304.0000

COMPANY John Jay Darrah

SEC. 4 T. 21 R. 14

FARM LANGER

NO. 3

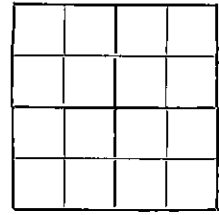
LOC. SE NE NE

TOTAL DEPTH 3627'

COUNTY Stafford County, Ks.

COMM. September 26, 1954. COMP. October 4, 1954.

CONTRACTOR Garvey Drilling Company



CASING 8-5/8" @ 810' w/400 S&S.

ELEVATION 1917' RB

PRODUCTION D & A

FIGURES INDICATE BOTTOM OF FORMATIONS

398	Sand & Shells
805	Red Bed
830	Anhydrite
1645	Shale & Shells
2480	Lime & Shale
2705	Shale & Shells
2995	Lime & Shale
3225	Lime
3340	Lime & Shale
3600	Lime
3627	Chert
3627	HTD

State of KANSAS

County of SEDGWICK

PLUGGING
 FILE SEC 4 T 21 R 14 W
 BOOK PAGE 69 LINE 29

RECEIVED
 STATE COMMISSION
 OCT 11 1954
 CONSERVATION DIVISION

I, Karl E. Becker of Garvey Drilling Company

upon oath state that the above and foregoing is a true and correct copy of the log of the LANGER # 3 well.

Karl E. Becker

Subscribed and sworn to before me this 8th day of October 19 54

My Commission Expires: 8-11-58

Patricia M. Edwards
 NOTARY PUBLIC